

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 03/05383

A. CLASSIFICATION OF SUBJECT MATTER				
IPC 7	C07K14/47	C12N5/06	C12N15/12	A61K38/00
C07K16/18				

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBL, GENSEQ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	XU M ET AL: "STIMULATION OF HUMAN PRIMITIVE HEMATOPOIESIS BY MURINE AGM-DERIVED STROMAL CELLS" BLOOD, W.B. SAUNDERS, PHILADELPHIA, VA, US, vol. 90, no. 10, 15 November 1997 (1997-11-15), page 483A XP002911189 ISSN: 0006-4971 the whole document ----- -/-	1-13

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the international search report

24 July 2003

12/08/2003

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax. (+31-70) 340-3016	Authorized officer Marinoni, J-C
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DATABASE WPI Section Ch, Week 199911 Derwent Publications Ltd., London, GB; Class B04, AN 1999-132227 XP002248950 & WO 99 03980 A (KIRIN BEER KK), 28 January 1999 (1999-01-28) abstract & WO 99 03980 A (KIRIN BEER KK) 28 January 1999 (1999-01-28)	1-13
Y	MOORE K A ET AL: "HEMATOPOIETIC ACTIVITY OF A STROMAL CELL TRANSMEMBRANE PROTEIN CONTAINING EPIDERMAL GROWTH FACTOR-LIKE REPEAT MOTIFS" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 94, April 1997 (1997-04), pages 4011-4016, XP002943669 ISSN: 0027-8424 the whole document	1-13
A	MOORE K A ET AL: "In vitro maintenance of highly purified, transplantable hematopoietic stem cells" BLOOD, W.B. SAUNDERS, PHILADELPHIA, VA, US, vol. 89, no. 12, 1997, pages 4337-4347, XP002220989 ISSN: 0006-4971	
A	DRMANAC S ET AL: "ACCURATE SEQUENCING BY HYBRIDIZATION FOR DNA DIAGNOSTICS AND INDIVIDUAL GENOMICS" NATURE BIOTECHNOLOGY, NATURE PUBLISHING, US, vol. 16, no. 1, January 1998 (1998-01), pages 54-58, XP001064848 ISSN: 1087-0156	
A	EP 0 953 354 A (FUJISAWA PHARMACEUTICAL CO) 3 November 1999 (1999-11-03)	
P,X	WO 02 100898 A (KIRIN BREWERY ;NISHIKAWA MITSUO (JP); STACHE-CRAIN BIRGIT (US); LA) 19 December 2002 (2002-12-19) the whole document, in particular SEQ ID No. 22, 23, 47 and 48; Example 6	1-13
P,X	WO 02 60942 A (INCYTE GENOMICS INC.) 8 August 2002 (2002-08-08) the claims; the sequences of SEQ ID No. 12	1-9,13
		-/-

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>DATABASE EMBL 'Online! 5 May 2002 (2002-05-05)</p> <p>STRAUSBERG R.L. ET AL.: "Homo sapiens hypothetical protein MGC35555, mRNA (cDNA clone MGC:35555 IMAGE:5201681), complete cds"</p> <p>Database accession no. BC027938 XP002248948</p> <p>the sequences & WO 02 070539 A (HYSEQ INC.) 12 September 2002 (2002-09-12)</p> <p>---</p>	1-9,13
P,X	<p>DATABASE EMBL 'Online! 18 December 2002 (2002-12-18)</p> <p>ADACHI J. ET AL.: "Mus musculus adult male hippocampus cDNA, RIKEN full-length enriched library clone:C630007L04 product:hypothetical Thrombospondin type I repeat (TSP1) profile/Thrombospondin type I domain/Furin-like cystein rich region containing protein, full insert sequence"</p> <p>Database accession no. AK049891 XP002248970</p> <p>the sequences</p> <p>---</p>	1-9,13
P,X	<p>DATABASE GENSEQ 'Online! 20 January 2003 (2003-01-20)</p> <p>TANG Y.T. ET AL.: "Human polypeptide SEQ ID NO 1165"</p> <p>Database accession no. ABP69118 XP002248949</p> <p>the sequences</p> <p>-----</p>	1-9,13

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9903980	A	28-01-1999	AU WO	8243798 A 9903980 A1		10-02-1999 28-01-1999
EP 0953354	A	03-11-1999	EP US WO US US	0953354 A1 6495365 B1 9806422 A1 2003068820 A1 2003113912 A1		03-11-1999 17-12-2002 19-02-1998 10-04-2003 19-06-2003
WO 02100898	A	19-12-2002	WO	02100898 A2		19-12-2002
WO 0260942	A	08-08-2002	WO	02060942 A2		08-08-2002
WO 02070539	A	12-09-2002	WO US	02070539 A2 2003032034 A1		12-09-2002 13-02-2003